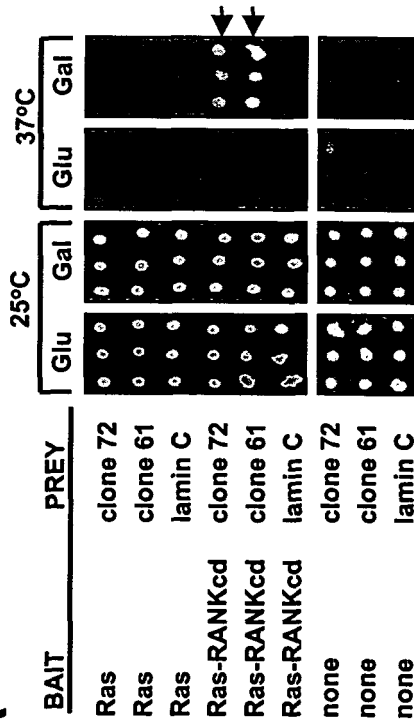


A



B

hRAIN: 1 MSGCDRAGEGDCSSRCGAQDKEHPRLIPELCKQFYHLGWVTGGGGISLKHGDEIYIAP 60
 mRAIN: 1 MSGCQA-QGDCCSRPCGAQDKEHPRLIPELCKQFYHLGWVTGGGGISLKHGNEIYIAP 59

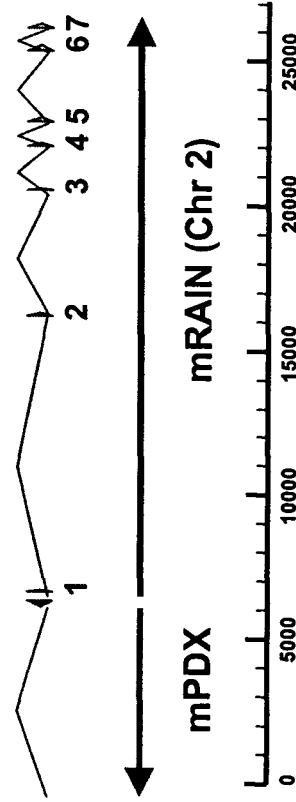
hRAIN: 61 SGVQKERIQPEDMFVCDINEKDISGSPSKLKKSQCTPLFMNAVYTMRGAGAVIHTHSA 120
 mRAIN: 60 SGVQKERIQPEDMFVCDINEQDISGPPASKLKKSQCTPLFMNAVYTMRGAGAVIHTHSA 119

hRAIN: 121 AVMATLLFPGRFETHQEMIKGKCTSGGYRYDDMLVVP I IENTPEEKGLKDRMAHA 180
 mRAIN: 120 AVMATLLFPGRFETHQEMIKGIRKCTSGGYRYDDMLVVP I IENTPEEKDLKERMAHA 179

hRAIN: 181 MNEYPDSCAVLVRHGVVWGSETWEKATMCECYDYLFDIAVSMKKVGLDPSQLPVGENG 240
 mRAIN: 180 MNEYPDSCAVLVRHGVVWGSETWEKATMCECYDYLFDIAVSMKKMGLDPTQLPVGENG 239

hRAIN: 241 IV
 mRAIN: 240 IV

C



D

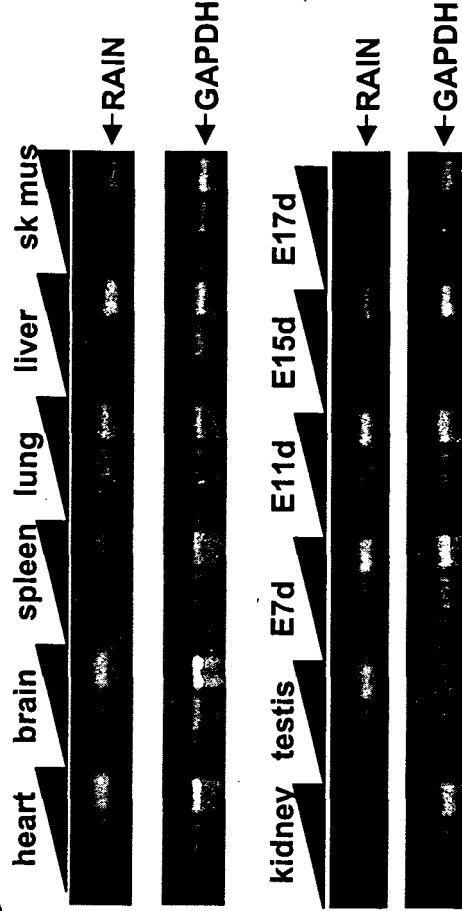


FIG. 1A-D

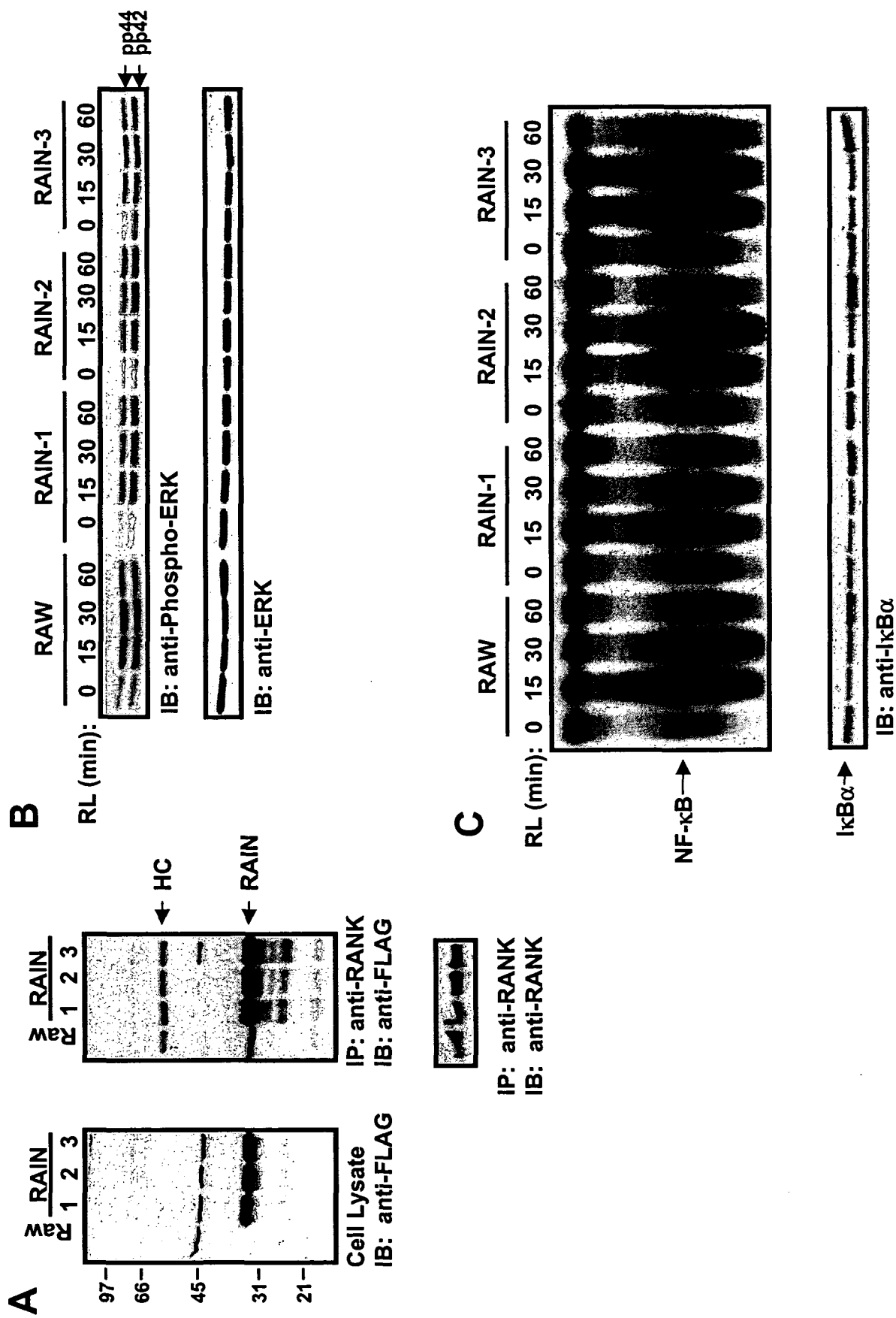


FIG. 2A-C

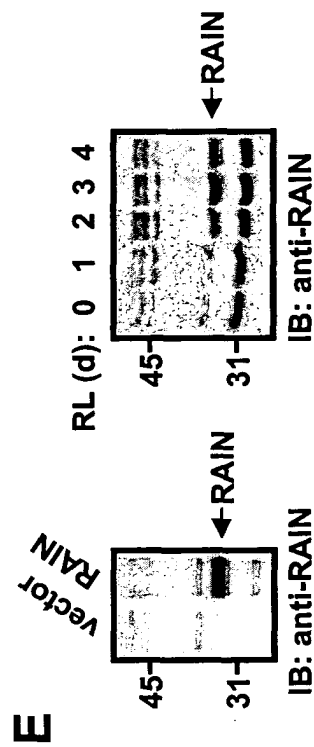
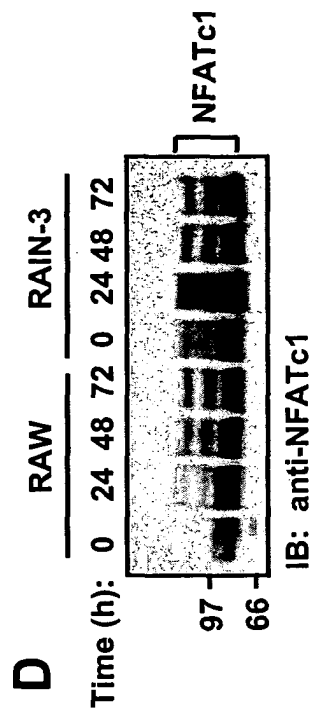
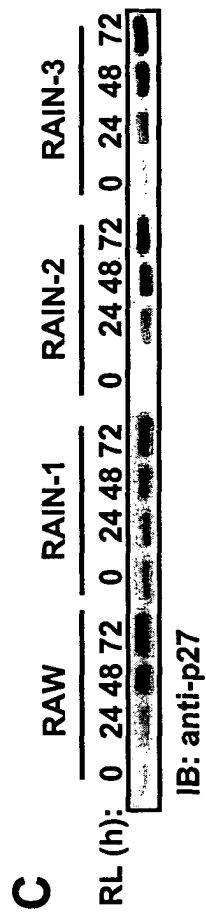
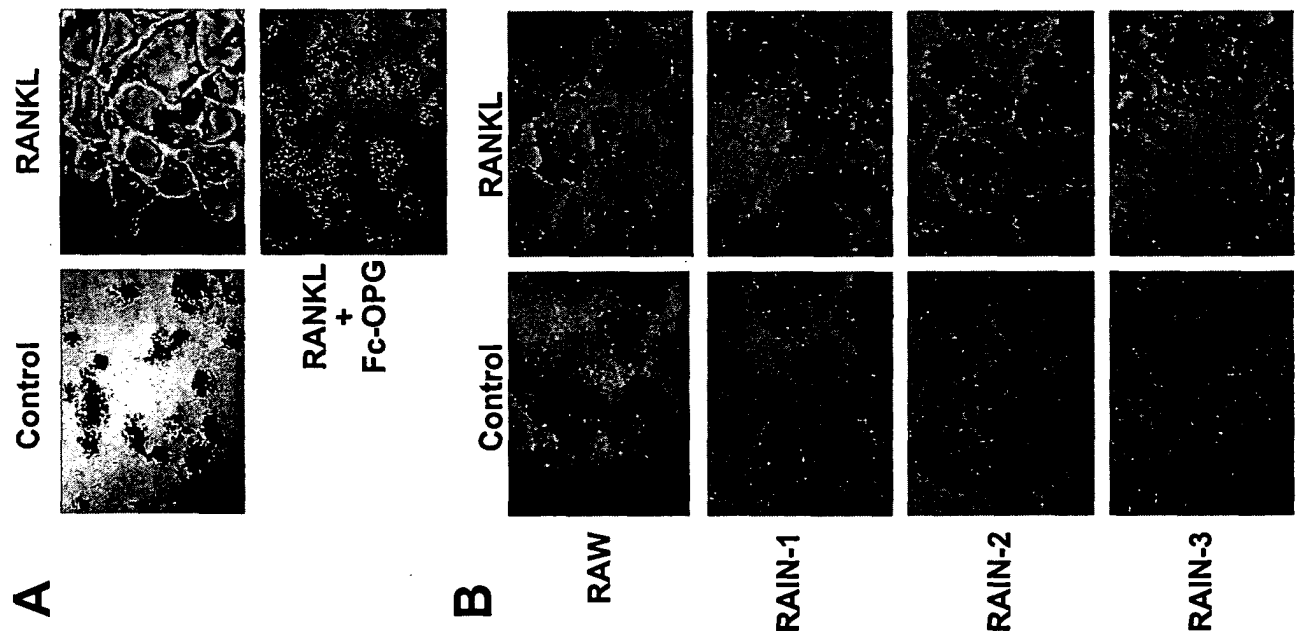


FIG. 3A-F

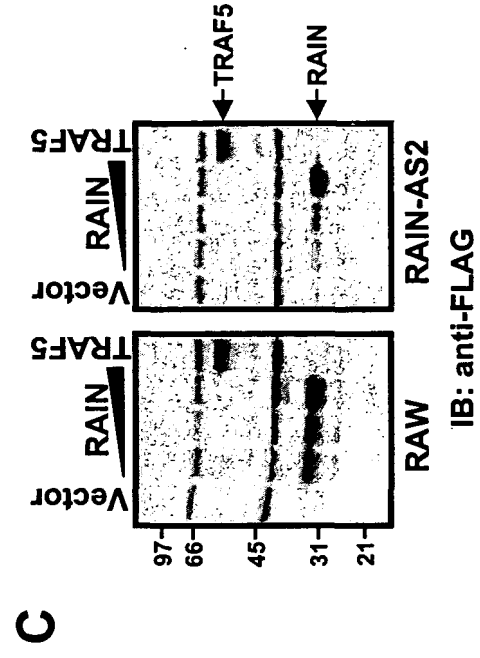
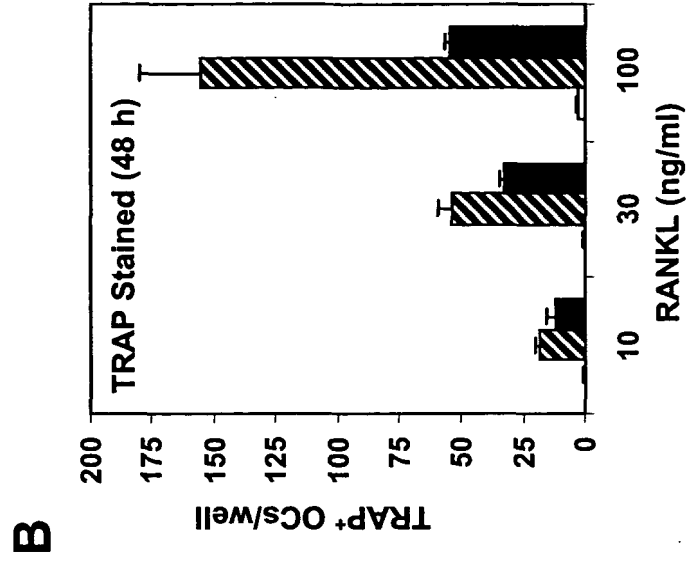
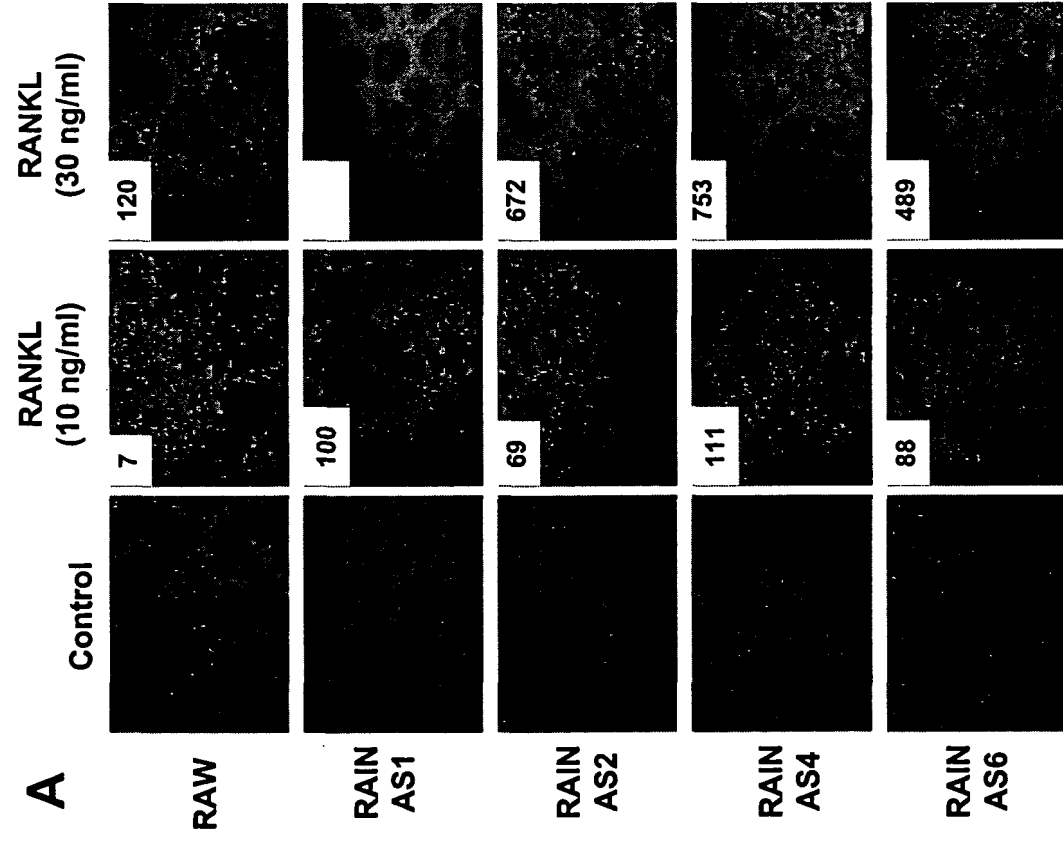


FIG. 4A-C

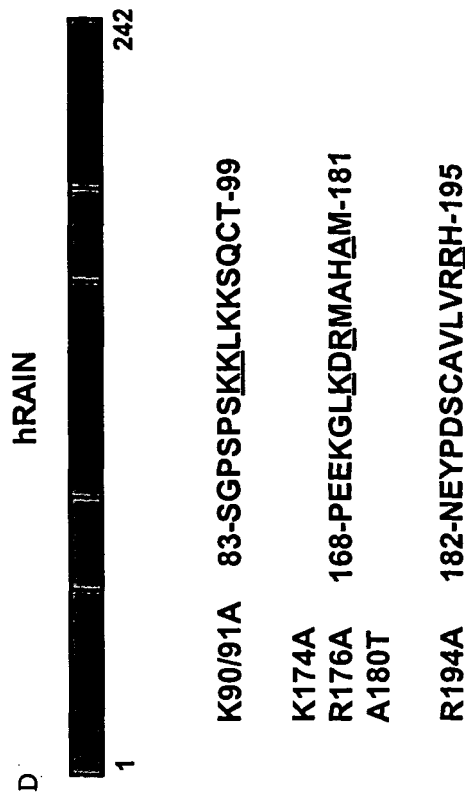
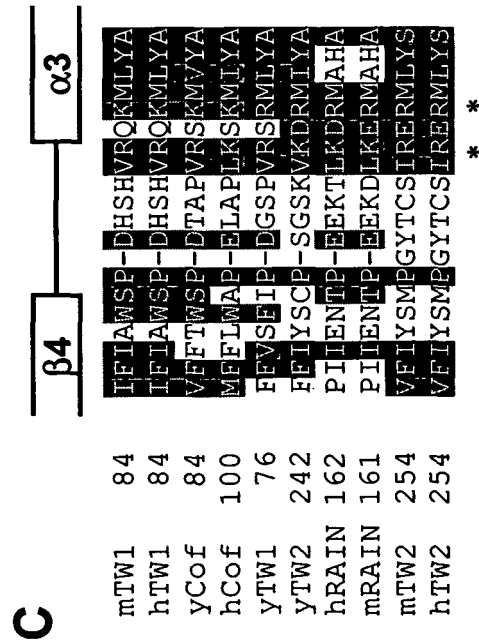
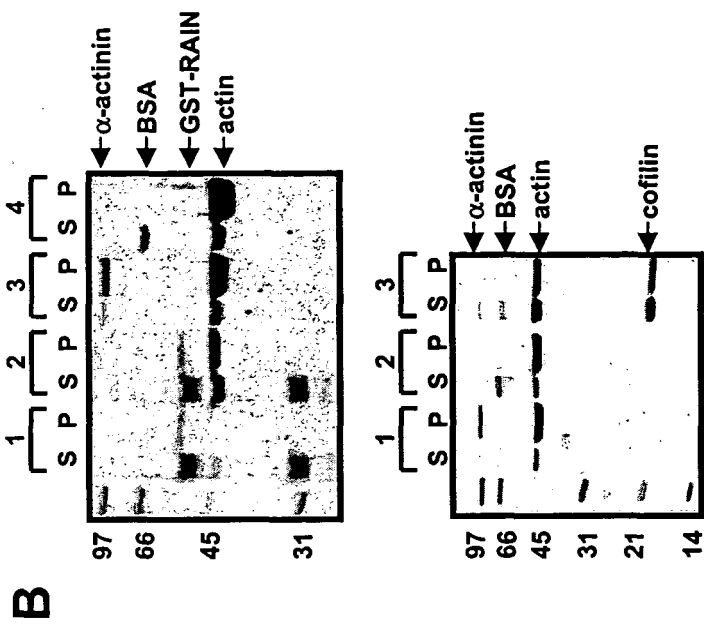
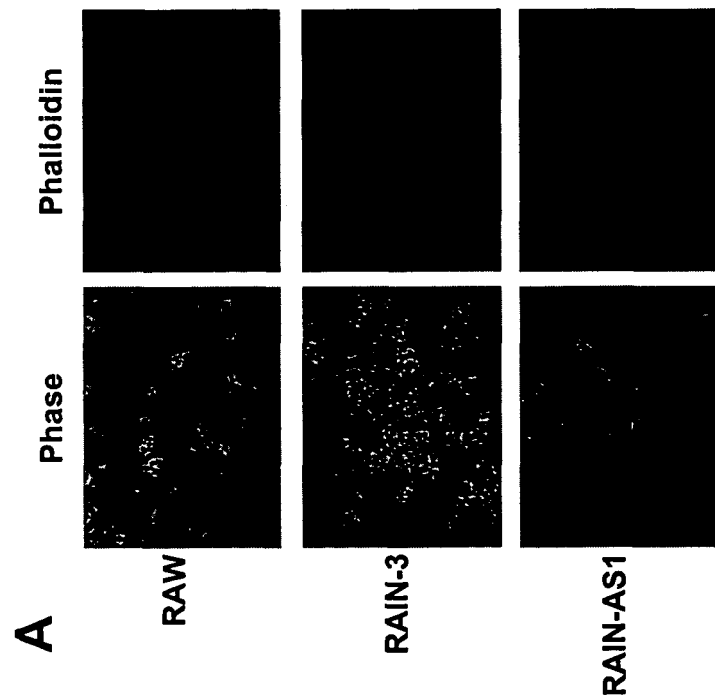


FIG. 5A-D

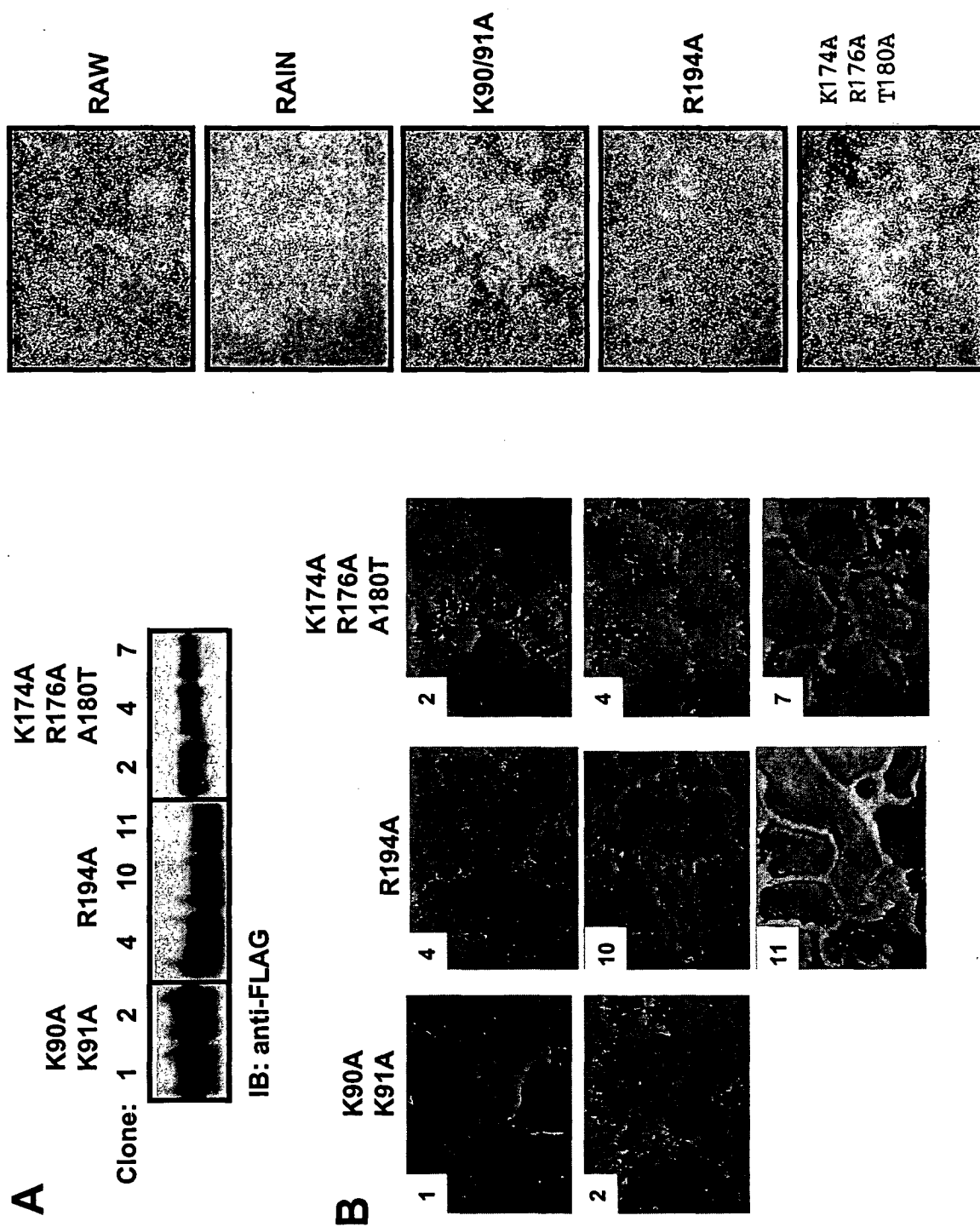


FIG. 6A-C

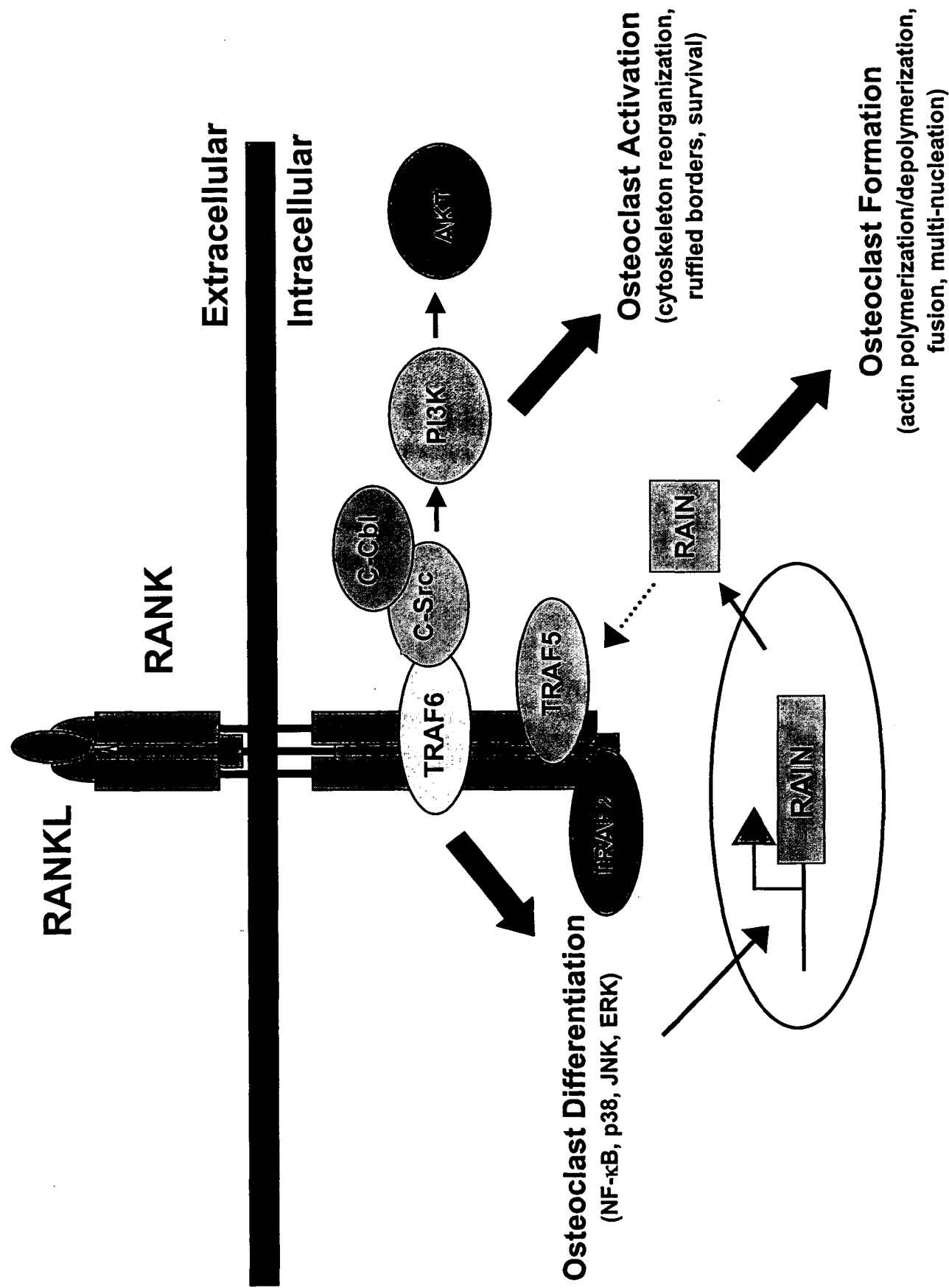


FIG. 7



1. atgtcttggtgtctgcatgctggggaggagagctgttggttccoggagatgaggggagcaggagac 60
1. atgtcttggtgtctgcatgctggggaggagagctgttggttccoggagatgaggggagcaggagac 60
61. aaggagcatcccaagcataccgtatccodegaactttggcaacagctttaccattttaggctggg 120
61. aaggagcatcccaagcataccgtatccodegaactttggcaacagctttaccattttaggctggg 120
121. gtccactgggactggaggaggaatttagcttgagcatgggcgaatgaaattctacattctgctcct 180
121. gtccactgggactggaggaggaatttagcttgagcatgggcgaatgaaattctacattctgctcct 180
181. tcagggtgtcgaanaaggaaacgaattcagagcttgagagacttttgttttgtatataaattgaa 240
181. tcagggtgtcgaanaaggaaacgaattcagagcttgagagacttttgttttgtatataaattgaa 240
241. aaggacataaagtggaccttcgcgcctcagagagagctaaanaaaagccagtgctactctctt 300
241. aaggacataaagtggaccttcgcgcctcagagagagctaaanaaaagccagtgctactctctt 300
301. ttcatgaatgctttacacaaatagagggagcaggctgagctgattctaccactctaaagct 360
301. ttcatgaatgctttacacaaatagagggagcaggctgagctgattctaccactctaaagct 360
361. gctgtgatggccacacattctcttccaggagggggagttctaaattacacatcagagatg 420
361. gctgtgatggccacacattctcttccaggagggggagttctaaattacacatcagagatg 420
421. ataaaagggaataaagaatactgacttcoggagggtctatcatgagctatgctgctcagctg 480
421. ataaaagggaataaagaatactgacttcoggagggtctatcatgagctatgctgctcagctg 480
481. gtaccattatttggaatacacctcagaggaaaggtctcaagatagaatgggctcatgca 540
481. gtaccattatttggaatacacctcagaggaaaggtctcaagatagaatgggctcatgca 540
541. atgaatgaatacccaagactcctgtgctgagtaactgggtcaggagctcactggagatctgtcgg 600
541. atgaatgaatacccaagactcctgtgctgagtaactgggtcaggagctcactggagatctgtcgg 600
601. ggggaataactggggagagggaacaaacaaactgtgtgagagtgctatgactttattttgatact 660
601. ggggaataactggggagagggaacaaacaaactgtgtgagagtgctatgactttattttgatact 660
661. gccgtatcaatgaagaagtaggacttgatctctcagctccacgtcaggagaaatgga 720
661. gccgtatcaatgaagaagtaggacttgatctctcagctccacgtcaggagaaatgga 720
721. attgtgtcaa 729
721. attgtgtcaa 729

FIG. 8A-B